

PdirAGSG K fragment 402 432 440442	NVÁEF PLAKYAEEÖNNÁMMA YTHRSKG) NVÁEF PLAKYALTÓNNÁMMY FKHRSLNI NVÁEF PLAKYAEEÓNNÁMMA YTHRSKGI NVÁEF PLAKYAEEÓNNÁMMA YTHRSKGI	Agem2 Agem2 Agem2 Agem2 Agem2 Agem2 Agem2 Aste Aste Aste Aste Aste Aste Aste Aste	521	Agami LGYTELEKKIMRYWSNFAKTONPNPNTASSEF—PEMPKHTAHGRHYLELGLNTSFVGRSPRLRKZAFTMKYLFTALVAA Sgra KRYEITELIELSKKMMRYWTNFAKTONPSKTLEGSWYTPKMPVHTAYGKEFLTLDTNNTSIGVGPRLEKKAMRYWTVFJLTAI Cpip1 LGYNDUCKDFSRKI Ageg1 LGYMETEKOFSRKI	Agam2 LEMENTENLSRAMLSKSFFRICHFILLEBE
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Fig.1C

MHGDE INYVF MHGDE INYVF MHGDE INYVF MHGDE INYVF MHGDE INYVF MHGDE INYVF MHGDE INYVF MHGDE INYVF
TEPENPISNR DALDKMYGDY HFTCNVNEFA ORYAEEGNNV YMYLYTHRSK GNPWPRWTGV MHGDEINYYF GEPLINGLGY TEPENPISNR DALDKMYGDY HFTCNVNEFA ORYAEEGNNV YMYLYTHRSK GNPWPRWTGV MHGDEINYYF GEPLINGLGY TEPDNPNSNR DALDKMYGDY HFTCNVNEFA ORYAEEGNNV YMYLYTHRSK GNPWPRWTGV MHGDEINYYF GEPLINGTGY TEPDNPNSNR DALDKMYGDY HFTCNVNEFA ORYAEEGNNV YMYLYTHRSK GNPWPRWTGV MHGDEINYYF GEPLINGLGY
YMYLYTHRSK YMYLYTHRSK YMYLYTHRSK YMYLYTHRSK YMYLYTHRSK YMYLYTHRSK YMYLYTHRSK YMYLYTHRSK YMYLYTHRSK
ORYAEEGNNV ORYAEEGNNV ORYAEEGNNV ORYAEEGNNV ORYAEEGNNV ORYAEEGNNV ORYAEEGNNV
HETONVNEFA HETONVNEFA HETONVNEFA HETONVNEFA HETONVNEFA HETONVNEFA HETONVNEFA HETONVNEFA
TEPENPOSOR DALDKAVGDY
TEPDINPNSINR TEPDINPNSINR TEPDINPNSINR TEPDINPNSINR TEPDINPNSINR TEPDINPNSINR TEPDINPNSINR TEPDINPNSINR
Ae alb An alb An fun An run An sac Cx Pip

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参EKGFSRK

EKOF SRK

Ae alb An alb An gam An fun An sac An pse Cx Pip

Sac

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77.814

USSN 10/518,072 Reply to O.A. DATED February 22, 2010 REPLACEMENT SHEET(S OBLON ET AL (703) 413-3000 DOCKET # 263365USOX PCT INV. Mylene WEILL et al.

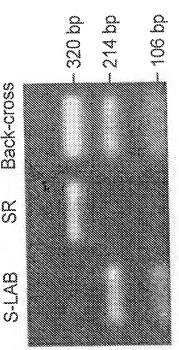
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GGCCCAGG TGG ACEDGCC TGA TGCACGGCGACGAGA TCAACTACG TG TT TGGCGGACCGCTGAAC TCGGCCCTCGGCTAC GOCCGAGG TGGACGTGATGCACGGCGACGAGATCAACTACGTGTTTGGCGAACOGGTGAACTOGGCTGAACTOGGCCTCGGCTAC 98 Ace I-SLAB Ace I-SR

8 CAGGACGACGAGAGGACTTTAGCCGGAAAATT CAGGACGACGAGAAGGACTTTAGCCGGAAAATT STAB Ace1-SLAB

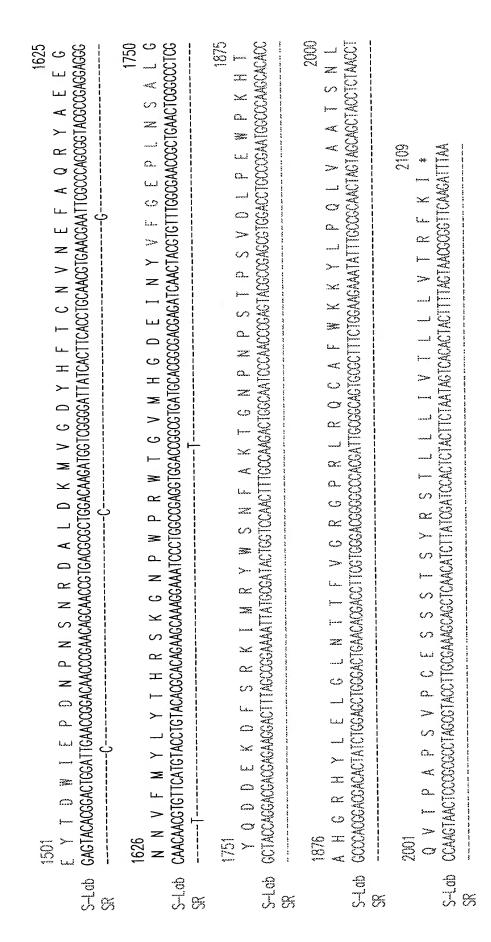
Ace1-SR

260



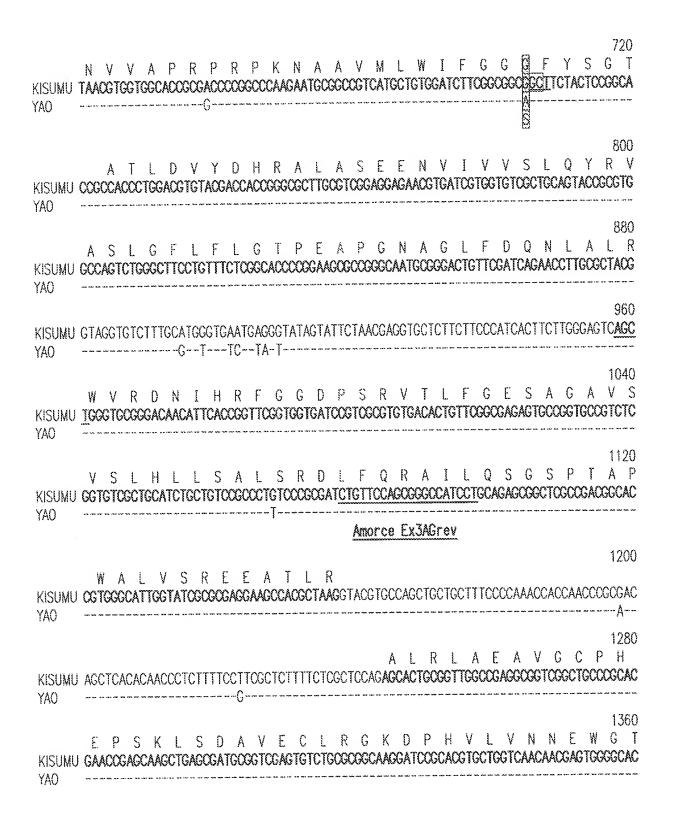
RWTGVN#HGDE INYVFGEPLN SALGYGDDEK DFSRKIMRYW SNFAKTGNPN PSTPSVDLPE WPKHTAHGRH YLELGLNTTF QAVRELNPYV NGAARQAIVF EYTDWIEPDN PNSNRDALDK MVGDYHFTCN VNEFAQRYAE EGNNVFNYLY THRSKGNPWP EGNIN/FMYLY THRSKGNPWP INYVFGEPLN SALGYQDDEK DFSRKIMRYW SNFAKTGNPN PSTPSVDLPE WPKHTAHGRH YLELGLNTTF RALRIAEAVN CPHDATKLSD AVECLRTKDP LWIFGGGFYS GTATLDVYDH RTLASEENVI VVSLQYRVAS LGFLFLGTPE APGNAGLFDQ NLALRWYRDN IHRFGGDPSR RALRLAEAVN CPHDATKLSD AVECLRTKDP NELYDNEWGT LGICEFPFVP VVDSAFLDET PQRSLASGRF KKTDILTGSN TEEGYYFIIY YLTELLRKEE GVTVTREEFL IPYAQPPLGP LRFRHPRPAE RWTGVLNATK PPNSCVQIVD TVFGDFPGAT MMNPNTPLSE DCLYINVVVP RPRPKNAAVM RPRPKNAAVM LWIFGGGFYS GTATLDVYDH RTLASEENVI VVSLQYRVAS LGFLFLGTPE APGNAGLFDQ NLALRWYRDN IHRFGCDPSR KKTDILTGSN TEEGYYFIIY YLTELLRKEE GVTVTREEFL RESSSDATDS DPLVITTDKG KIRGITLEAP SGKKVDANMG RESSSDATDS DPLVITTDKG KIRGTTLEAP SGKKVDANMG ICSSVAHQLG SKYSQSSSLS SSSQSSSSLA EEATLNKDSD METRGLITRL LGPCHLRHLI LCSLGLYSIL VKSVHCRHHD IGSSVAHQLG SKYSQSSSLS SSSQSSSSLA EEATLNKDSD IPYAQPPLGP LRFRHPRPAE RWTGVLNATK PPNSCVQIVD TVFGDFPGAT MMNPNTPLSE DCLYINVVVP ₩. VGRGPRLRQC AFWKKYLPQL VAATSNLOVT PAPSVPCESS STSYRSTLLL IVTLLLVTRF VAATSNLQVT PAPSVPCESS STSYRSTLLL IVTLLLVTRF QAVRELNPYV NGAARQAIVF EYTDWIEPDN PNSNRDALDK MYGDYHFTCN VNEFAQRYAE VTLFGESAGA VSVSLHLLSA LSRDLFQRAI LQSGSPTAPW ALVSREEATL VTLFGESAGA VSVSLHLLSA LSRDLFQRAI LQSGSPTAPW ALVSREEATL MEIRGLITRL LGPCHLRHLI LCSLGLYSIL VQSVHCRHHD NELVONEWGT LGICEFPFVP VVDGAFLDET PORSLASGRF TITRRRGLTR TITIRREGLIR DSVRIVDAEL GTLEREHIHS AFFTPYIGHG DSVRIVDAEL GTLEREHIHS VGROPRLRQC AFWKKYLPQI. RWTGVMHGDE AFF TPY I GHG STAB S-LAB STAB S-LAB S-LAB S-LAB STAB S-LAB S-LAB 货

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KISUMU G YAO -	AATGCGCATTGTTGCGATAGATTGAATTTCCTTGGTTGTTGTTGTTGTTGTTTCTTTTGACATGTTTGTGTTGTT
KISUMU T	A F F T P Y I G H G E S TITCITICICICICICICICT—CTGTGGTTCCAACATTTCAGACGCATTTTTTACACCATATATACGTCACCGTGAGT 240
KISUMU (R I I D A E L G T L E H V H S G A T P R R R G L T COTTACCAATTATACATGCCCAGTTGCGCCACCGCTCGAGCATGTCCACAGTGGAGCAACGCCGCGCGCG
	320
KISUMU A	R R E S N S D ACCOCCACTCCAACTCCCGTAAGTACGCGATTGGAAGTGCGGGGACGTTTACCCTGCCGTGTACTACAATGCACTTTAC A
	400 A N D N D P L V V N T D K G R I R G I CCCCACGCACACGCACCGGCAGACGACGACGACGACGACG
KISUMU YAO	480 T V D A P S G K K V D V W L G I P Y A Q P P V G P L R TACOGTOGATGOGCCCAGCGCGCAAGAAGGTGGACGTGTGGCTCGGCATTCCCTACGCCCAGCCGCCGGTCGGGCCGTTAC
KISUMU	FRHPRPAEKWTGVLNTTTPPNSCVQI GGTTCCGTCATCCGCGGCCGGCCGAAAAGTGGACCGCGTGCTGAACACGACCACCACCCCAACAGCTGCAGATC
YAO	Amorce Ex3AGdir
	V D T V F G D F P G A T M W N P N T P L S E D C L Y I GTCCACACCCTGTTCCGCCGCCCCCCCCCCCCCCCCCCC
YAO	Amorce Ex3AGdir

Fig.9A



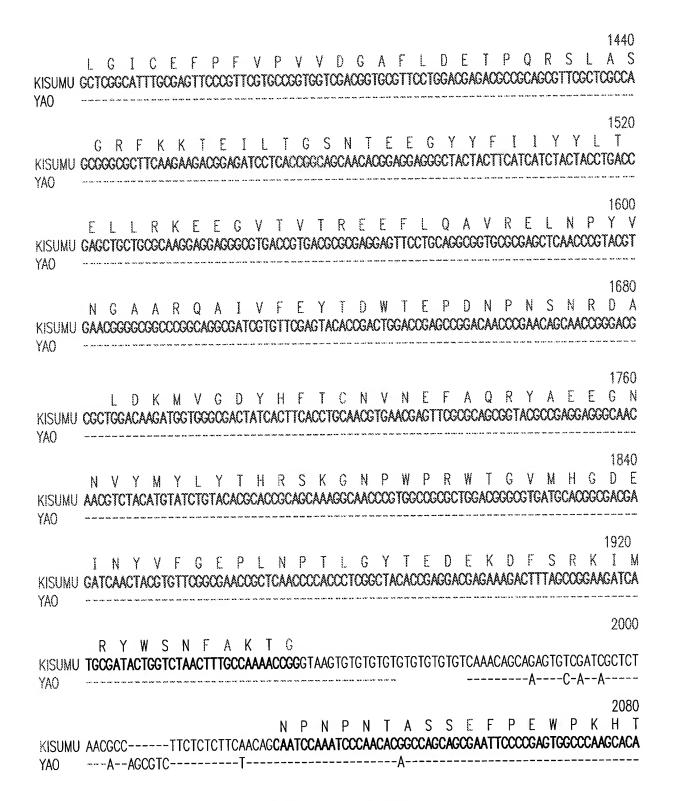




Fig.9D

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(361**A00**1TCTACTCC61ACG6CCACACTG6ACGTGTACGATCACCG6GCCCTC6CCTCGCACAACGATATCGT >An. elbi. "R"

71.82